

Page Avenue (Route 364) Phase III USER BENEFITS SUMMARY

Total Construction Costs (All Years)	\$ 105,000,000	
Annual Maintenance Costs	\$ 140,400	(\$2,600 per lane mile * 9 miles * 6 lanes)

Travel Time Savings Calculator

	VHT Savings (Hours per Day)	VHT Savings (Hours per Year)	Auto-All Purpose \$ Savings (Year)	Auto-Business \$ Savings (Year)	Truck \$ Savings (Year)	Total \$ Savings (Year)
Travel Time Savings (2015)	6,367	2,323,955	\$ 38,296,199	\$ -	\$ 9,951,640	\$ 48,247,839
Travel Time Savings (2030)	19,168	6,996,320	\$ 115,291,588	\$ -	\$ 29,959,642	\$ 145,251,229
Auto-All Purpose Trips %	81.7% Source: EWG Travel Demand Model Output					
Commercial Truck Trip %	18.3% Source: EWG Travel Demand Model Output					
All Purpose Auto Value of Time	\$	20.17 Source: USDOT guidance of Valuation of Time in Economic Analysis, updated from 2000\$ to 2008\$				
Commercial Truck Value of Time	\$	23.40 Source: USDOT guidance of Valuation of Time in Economic Analysis, updated from 2000\$ to 2008\$				

Vehicle Operating Cost Savings Calculator

	VMT Savings (Miles per Day)	VMT Savings (Miles per Year)	Auto \$ Savings (Year)	Truck \$ Savings (Year)	Total \$ Savings (Year)
Vehicle Operating Cost Savings (2015)	(56,444)	(20,602,060)	\$ (3,110,087)	\$ (899,898)	\$ (4,009,985)
Vehicle Operating Cost Savings (2030)	(67,594)	(24,671,810)	\$ (3,724,456)	\$ (1,077,665)	\$ (4,802,121)

Truck Percentage		11.2% Source: EWG Travel Demand Model Output-VMT
Auto Percentage		88.8% Source: EWG Travel Demand Model Output-VMT
LCV Adjustment		65% Assumes negative 35% adjustment in number of trucks traveling due to use of LCV's
VOC-Auto	\$	0.17 Source: AAA 2009\$ Estimated costs to operate passenger vehicles, excludes insurance, registration costs, assumes fuel costs included
VOC-Trucks	\$	0.60 Source: AAA 2009\$ Per-Mile Costs of Operating Trucks and Automobiles, MNDOT

Crash Cost Savings Calculations

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